

Exhibit 1  
3-17-09  
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Hello and good day, Senator Brown!

I was a proponent who spoke for Industrial Hemp farming in Montana last month (Feb. 17th). I have been meaning to e-mail you sooner, but have been out of town visiting relatives and keeping extremely busy with our business.

First, I wanted to thank you for the opportunity to speak about this important aspect of Montana's economy and for giving us your time and undivided attention. It really meant a lot to the supporters of this issue. At the end of the session, you had several questions regard the "niche" of Hemp farming and the products and opportunities that it can create. I wanted to bring up a few points that might help you look at Hemp in a different light:

**1) In regards to this being a "niche" crop, I don't believe it should even be considered as such. Hemp is a crop that has been around for a recorded 10,000 years. I've never known any other item in history that has been used for that long. The only reason why it is not around today is because it received negative propaganda in the 1930's.**

**2) In regards to its versatility (versus being considered a "niche" market), as was quoted in the session, Hemp has over 200,000 uses. How could this crop possibly not help us for decades down the road? It will positively affect many of the important industries not only in Montana, but in the US. Though it may ultimately replace some industries (such as timber), it will also create a variety of jobs.**

**3) In regards to other states growing Hemp and how it will affect us, there are different types of seeds depending on what end product you are trying to create. I see it as a benefit to each state when it comes to self-sustainability (referring to the fact that Hemp processing and manufacturing plants are recommended to be within 200 miles in order to be effective). Also, certain areas will be growing different varieties of the seed and making various products, and consequentially we will be able to begin inter- and intra-state commerce with Hemp. How wonderful would that be?**

How can we say "no" to a crop that is not only environmentally friendly, but has, can and will lead to so many different products, jobs and other positive opportunities for us?

Again, thank you for your time and have a wonderful week. Please check out the link below as it contains a lot of information that will help clear any other thoughts or questions you may have!

<http://en.wikipedia.org/wiki/Hemp>

Sincerely,

**Sabrina Smith**

**Co-Owner/Buyer - The Green Light**

**128 West Alder**

**Missoula, MT 59802**

**406.541.8623**

Industrial hemp has a long history with humanity and in fact was a cornerstone in the early growth of the United States of America. Hemp can be synergistic catalyst in creating a truly sustainable, organic agricultural infrastructure ... if allowed. Our land is finite, let us begin to learn from other countries that have outgrown their land base and start to take care of mother earth. I implore you to honestly look at hemp history, our developing farming problems, exponential population growth and our Mother Earth and realize the answer is legalization of hemp.

**LANDON MEANS** [imeans8986@msn.com](mailto:imeans8986@msn.com)

Northern Cheyenne

Garrett A Guymon  
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Testimony for SJ 20  
Proponent

Dear House Chairman and Committee, I am writing this testimony in favor of passing SJ 20 for many reasons; however I will illustrate only on a few key topics in expedition. Because I could not make the drive from Kalispell, I apologize for any redundancies from previous proponent speakers.

To begin, the big umbrella for hemp is the verity that science proves hemp is not psychoactive. Expounding on this, it is like comparing the psychoactive Cannabis Indica to non psychoactive hemp as a tobacco plant is to a tomato. In fact tobacco and tomatoes are close cousins, and believe it or not tomatoes contain traceable amounts of nicotine just like hemp contains miniscule amounts of THC.

Next, there are economic and environmental advantages of harvesting hemp over trees. Cultivating hemp requires a fraction of resource consumption than industrial logging, which would save our state money as well as offer employment opportunities to those affected by the decline in demand for timber products. I am not arguing whether we should log or not, I am stating that we have alternative ways other than just logging. Hemp can be grown by Montanan farmers right in their backyard and shipped to a processing facility down the street. Hemp is renown for it's soil building properties and it's usefulness as a cover crop to heed erosion as well.

We cannot forget that our Founding Fathers cultivated this important cash crop to be used in everything from clothes to rope to food and to the sails made of canvas for the ships that carried people to America. They would be in dismay to learn how modern times shun a once necessary plant. We are not alone in the attempt to regain this right to grow as North Dakota fights to sow and Canada has demonstrated the success of hemp for the last decade.

Finally, by passing this bill, you are opening Montanan farmers options during a time with a foreseeable economic depression on the horizon. Let's have a leg in before the door shuts, and before we as Montanan citizens are rushing for solutions. By renouncing this bill, you are denying the livelihood of our farmers and our state. Imagine if we legalize hemp before other states do because we'll have the mass production plants to turn those hemp fibers into hemp goods. Then once other states allow hemp production, they can send it to our state for processing which creates revenue. Sometime in our future this nation will bring hemp out of the shadows and Montana should lead.

In conclusion, the possibilities of hemp range from food, textiles, biodiesel, cellulose for insulation, large scale employment with construction/refitting, less pollution, tax revenue, a sense of pride, and so much more. Let's turn around outdated laws and validate our sovereignty as the State of Montana. Please stand behind this bill as a proponent for a better future in Montana. Thank you for listening to my attestation for saying yes to SJ 20.

## **PROPONENT TESTIMONY FOR SJ 20**

**Making textiles; a large proportion of clothes in Europe were made from hemp fibers before cotton became available. Hemp requires much less water, pesticides or fertilizers to produce a similar quantity of fiber as cotton. It is not as light or easy to work with, though it is more durable.**

**Birdseed: hemp seeds are a common ingredient in commercial bird seed mixes (usually irradiated so that they can't germinate).**

**Food. Hempseed from varieties not associated with marijuana is sometimes available as a human foodstuff; it is rich in many nutrients good for human health. Oil made from refining the seeds is also a good source of unsaturated fats. The seeds are not unlike sesame seeds in uses and nutritional value.**

**Manufacturing: hempseed oil can be used similar to linseed as an ingredient in printing ink, woodstain, varnish, wood resin, for lamp lighting, machinery lubrication or detergents.**

**Biofuels. Former actor Woody Harrelson has publicized this possibility by touring vehicles powered by hemp biofuels.**

**Any person with common sense would think that hemp is a good product.**

**Look at all the things you can make with hemp, and it grows like a weed so it is self-sustaining.**

**Adel M. LaCounte**

**alacount@nemontel.net**

# Facts about Hemp (SJR 20)

EXHIBIT  
DATE 3/17/09  
NO 5520

- Canadian hemp farmers are seeing profits of up to **\$600 per acre**.
- **Hemp can be grown without pesticides, herbicides, fungicides, and without fertilizer if grown in a proper crop rotation.** It is the ultimate "green" crop, because it can provide us with all the protein, pulp, cellulose, and fiber that we need without any toxins in its growth or production.
- Because hemp is so bulky and heavy, it must be processed within a 200-500 mile radius to be cost effective. This means that **industrial hemp-growing in Montana would be likely to incite manufacturing and processing ("value-added") facilities here in Montana.**
- The hemp industry is growing rapidly in America. **The market is estimated at over \$300,000,000 a year in the U.S., and rising.** In fact, the U.S. imports more hemp than any other country, yet we are the only industrialized country that does not allow its production. None of the other nations that allow hemp cultivation have had any problems enforcing marijuana laws due to hemp cultivation.
- Hemp could produce **more cellulosic biomass than any other crop** in Montana. Cellulose is the building block of paper, plastics, and bio-composites. Biomass is plant matter. The more cellulose that plant matter has, the more money the farmer and the state are going to make. The more biomass a plant produces, the more money the farmer and the state are going to make.
- Hemp has amazing versatility. Hemp food provides nearly complete nutrition with all ten essential amino acids, all four essential fatty acids in the ratio recommended by health experts, and over 30% protein in very digestible forms, making hemp an ideal food for human consumption. **Hemp feed could provide all the essential protein that livestock requires without the aid of antibiotics.** Hemp oil can be made into non-toxic paints, varnishes, lubricants, and sealants. The paints last longer, and the sealants are better absorbed by wood. Hemp-based composites are being made into auto panels that are biodegradable, half the weight of, more durable, and safer than fiberglass counterparts. **Hemp pulp paper doesn't require toxic bleaching chemicals and lasts hundreds of years longer than paper made from trees.** It is stronger, and can be recycled many more times than tree paper. An acre of hemp can produce as much pulp as an acre of trees over a 20 year growing cycle! Hempcrete building construction, using a mixture of hemp and lime, are fire-, water-, and rodent-proof, are resistant to natural disasters, reduce energy costs by 50%, and reduce the amount of carbon in the air. (The building industry is responsible for over 40% of America's carbon footprint.) **Hemp is also among the longest, strongest, most elastic, and most durable fibers in nature.** Hemp is stronger, more durable, softer, more UV-protective, warmer, and won't mildew or rot like cotton fiber, which requires 25% of the world's crop chemicals.

## The U.S. Market for Hemp Products

Hemp is sweeping the U.S. market. The hemp lifestyle is now available to mainstream consumers who are eating, wearing, bathing in, beautifying with, writing on, and even driving in hemp products.

To highlight just a few companies: Deborah Lindquist, Bono's Edun, Patagonia, Adidas and Nike are all making hemp apparel and accessories. Dr. Bronner's Magic Soaps, Alterra, The Body Shop and Bert's Bees are all selling hemp



Photo: Droner.com

body care products and cosmetics. Nature's Path, Nutiva, ALPSNACK, French Meadow Bakery, Living Harvest, Manitoba Harvest and Ruth's Hemp Foods are all producing delicious hemp foods. The TODAY Show declared hemp to be the "hot new food trend" of 2007. Toyota, Audi, Porsche, Chrysler, Dodge, Ford, Cadillac, Saturn, Jeep, Mercedes, BMW, Saab, Mitsubishi, Volkswagen and Volvo all use hemp fiber-based interior panels in their vehicles.

The North American hemp market is currently estimated to be over \$300 million in annual retail sales, growing at approximately 10% per year, with hemp foods accounting for over \$16 million and growing at up to 50% per year.



Photo: MimaWear.com

Still, industrial hemp cannot be fully utilized without a domestic supply. It is very unlikely that hemp will be widely used in construction or for fuel until U.S. farmers win back the right to grow industrial hemp.



To get involved, please visit our Web site:  
[www.VoteHemp.com](http://www.VoteHemp.com)

### CONTRIBUTE TO VOTE HEMP!

Get a free DVD of the fantastic documentary "Hemp and the Rule of Law" when you make a donation of just \$45 to support our ongoing efforts, such as our Farmers Fund, or check out the other gifts available to contributors at different levels on our Web site. Vote Hemp is a 501(c)(4) non-profit organization, and donations are not tax-deductible. To make a tax-deductible donation to our affiliated educational foundation, please contact [contribute@VoteHemp.com](mailto:contribute@VoteHemp.com).

Contribute using your credit card online  
via our secure server at:  
[www.VoteHemp.com/contribute.asp](http://www.VoteHemp.com/contribute.asp)

Or, you can mail a check to:

Vote Hemp  
P.O. Box 862  
Bedford, MA 01730

Contact us via email at:  
[hempinfo@VoteHemp.com](mailto:hempinfo@VoteHemp.com)

Photo: MimaWear.com

Help us bring hemp farming  
back to America!

# VH<sup>TM</sup>

## Vote Hemp

[www.VoteHemp.com](http://www.VoteHemp.com)

EDUCATION

LEGISLATION

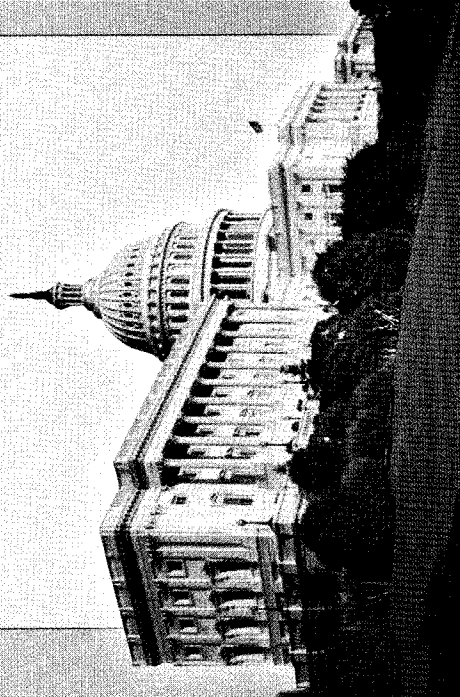
ADVOCACY

"The greatest service which can be rendered any country is to add a useful plant to its culture."

- Thomas Jefferson

"Make the most you can of the Indian hemp seed and sow it everywhere."

- George Washington



## Vote Hemp: The Leading Advocate for Industrial Hemp Farming

**Vote Hemp** is a national, single-issue, non-profit advocacy group founded in 2000 by members of the hemp industry to remove barriers to industrial hemp farming in the U.S. through education, legislation and advocacy. We work to build grassroots support for hemp through voter education, registration and mobilization, as well as defend against any new laws, regulations or policies that would prohibit or restrict hemp trade.

### Education

Since its inception, Vote Hemp has generated hundreds of news articles, opinion pieces, editorials and television segments that have helped to educate the public on the need for domestic industrial hemp farming.

In 2007, Vote Hemp hired Zogby International, a top U.S. political polling firm, to conduct a poll of California voters on their opinions about industrial hemp. The results were impressive: **a total of 71% supported changing state law to allow farmers to grow hemp, including 46% who strongly supported the change.** This mirrored the Vote Hemp/Zogby national poll conducted in 2003 which showed at least **66% of likely voters supported allowing U.S. farmers to grow industrial hemp.**

For more information, go to:

[www.VoteHemp.com/education](http://www.VoteHemp.com/education)

### Legislation

As of 2007, 28 states have considered industrial hemp farming. 15 states have passed pro-hemp laws or resolutions, and 8 states have removed barriers in state law to the production of industrial hemp for research or commercial use.

In 2005, Vote Hemp reached a major milestone. For the first time, a

federal bill was introduced that would recognize farmers' rights to grow industrial hemp by defining hemp as distinct from marijuana and allowing the states to regulate it as they choose. "The Industrial Hemp Farming Act" was reintroduced in 2007 and continues to gather co-sponsors.

For more information, go to:

[www.VoteHemp.com/legislation](http://www.VoteHemp.com/legislation)

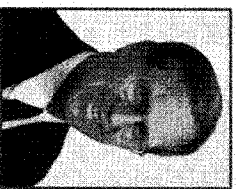
### Advocacy

In 2004, Vote Hemp achieved a major victory in a lawsuit filed on behalf of the Hemp Industries Association against the U.S. Drug Enforcement Administration (DEA). The court struck down a DEA rule purporting to ban foods made with industrial hemp, concluding, "Congress knew what it was doing, and its intent to exclude non-psychoactive hemp from regulation is entirely clear."

Vote Hemp is working to extend that ruling to industrial hemp farming. In 2007, we filed a lawsuit on behalf of two farmers in North Dakota, Rep. David Monson and Wayne Houge. The lawsuit was the culmination of more than 10 years of industrial hemp advocacy in North Dakota, including an intense year of negotiations between North Dakota Agriculture Commissioner Roger Johnson and the DEA. If we are successful, the courts will recognize and affirm states' rights to regulate industrial hemp farming within their own borders without federal interference.

For more information, go to:

[www.VoteHemp.com/advocacy](http://www.VoteHemp.com/advocacy)



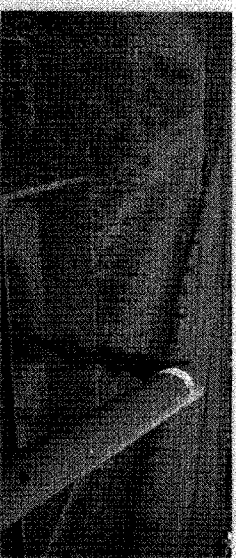
Roger Johnson  
North Dakota Agriculture  
Commissioner

"North Dakota has been able to play a leading role in legalizing the production and processing of industrial hemp in the U.S., thanks in large part to the assistance and support of Vote Hemp. We have depended on their advice and advocacy to develop rules for industrial hemp production and issue the first state licenses to grow industrial hemp - and to help bring an end to the senseless federal prohibition of a valuable crop. Vote Hemp is a very credible, professional organization that provides a valuable service."

## Did You Know?

- ▶ The U.S. is the only industrialized nation in the world that prohibits hemp cultivation, due to the DEA's refusal to distinguish between low-THC hemp and high-THC marijuana.
- ▶ Hemp is low in THC (delta-9 tetrahydrocannabinol), high in CBD (cannabidiol), and cannot be used as or converted into a recreational drug.
- ▶ Consuming hemp foods will not result in a false positive on a drug test. (See [www.testPledge.com](http://www.testPledge.com).)
- ▶ Hemp seed oil contains the highest and most-balanced levels of essential fatty acids (EFAs, omega-3 and omega-6) of any seed oil and provides SDA and GLA.
- ▶ Hemp seed is high in protein and contains all essential amino acids.
- ▶ The recently-revived global hemp market is a thriving commercial success. In 2006, retail sales of hemp products in North America reached over \$300 million, with hemp food sales exceeding \$16 million.
- ▶ Unlike kenaf or other alternative fiber and biomass crops, industrial hemp can be grown at almost any latitude and under a wide variety of climate and soil conditions.
- ▶ Hemp stalks (cellulose) can be converted to biomass energy, and hemp oil can be converted to diesel fuel. A "hemp car" has crossed North America running on 100% hemp fuel.
- ▶ Hemp fiber is the longest and most durable natural fiber on earth.
- ▶ Proper made from hemp never yellows and lasts for hundreds of years.
- ▶ As a rotational crop, hemp naturally suppresses weeds and returns nitrogen back to the soil, helping to condition it. Rotating hemp with soybeans leads to a dramatic reduction of cyst nematodes (a destructive soil pest with few cures) without any chemical input.

Photo: Ben Anderman





## Why Industrial Hemp?

Hemp is the ideal green crop because it can produce food, fiber, pulp, and cellulose for thousands of industries without using toxic chemicals to grow or process. In Montana, hemp would produce the most cellulosic biomass of any plant and that's a good thing!

Cellulose is the building block of paper, plastics, and bio-composites making them durable and lightweight.

Hemp has the prospect of generating farmers over \$500 an acre, while building Montana's economy from the bottom up through the creation of local and regional green transportation, processing, and manufacturing facilities.

Biomass is plant matter. The more plant matter a crop produces per acre, and the more cellulose the plant produces, the more money the farmer generates.

## Hemp is not Marijuana

Both marijuana and hemp have the same genus and species: *cannabis sativa*, but the two separate plants have evolved differently over thousands of years. It is like comparing a St. Bernard and a chihuahua - both *Canis familiaris* - different varieties of the same species.

Industrial hemp contains less than 1% THC (tetrahydrocannabinol), the psychoactive ingredient in marijuana, which has a typical THC content of 3-20%. Industrial hemp could never get a person high because of its low THC content and its high CBD (cannabidiol) content, another cannabinoid that actually blocks the effects of THC.

*None of the 33 industrialized nations growing hemp have problems enforcing marijuana laws.*

## Montana Hemp Council

Formed in 2005, Montana Hemp Council (MHC) works to inform Montanans about the benefits, history, uses and politics of industrial and agricultural hemp. We advocate policy to end the prohibition of industrial hemp cultivation in the US.

MHC is working with the Montana State Agriculture Director to expedite the creation of administrative rules for the production of industrial hemp in Montana, and to advocate with the US Congress to amend the Controlled Substances Act to exclude industrial hemp from the definition of marijuana so DEA barriers are removed from farming hemp in the US.

MHC is facilitating dialogue among various key stakeholders including: the Montana Agriculture Director, Montana farmers, North Dakota farmers, Canadian Minister of Trade, Colorado Hemp Initiative, South Dakota Industrial Hemp Council and the Lakota Hemp Project.

### What You Can Do to Help

- Write the Ag Director and Governor of Montana and express your support for the creation of administrative rules for Montana farmers to grow hemp.
- Urge your congressional delegation to support the removal of industrial hemp from the Controlled Substances Act.
- Support local businesses that sell hemp products. Vote with your dollars!
- Donate your time or money to MHC.

Montana Hemp Council ~ PO Box 8431  
Missoula, MT 59807 ~ 406-552-4693  
[www.montanahemp.org](http://www.montanahemp.org)

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# Industrial

# Hemp

# for

# Montana

## Good for our economy

## Good for our environment

## Good for our health



# Hemp's Versatility Speaks for Itself

This happened to farmers in North Dakota who applied for and received a state license to cultivate industrial hemp. The farmers sued the DEA. The US District Court judge ruled the US Congress, rather than his court, is the proper forum for resolution of the issue.

## Countries Growing Industrial Hemp

# Legislation

**Countries Growing Industrial Hemp**

Australia, Austria, Canada, Chile, China, Denmark, Egypt, Finland, France, Germany, Great Britain, Hungary, India,

*The US is the only industrialized nation prohibiting hemp cultivation.*

ment of Agriculture has administrative guidelines for discharged by the state

# Hemp's Versatility Speaks for Itself

**Food:** Hemp seed provides nearly complete nutrition with all 10 essential amino acids, all 4 essential fatty acids and over 30% protein, making hemp the ideal protein for human consumption.

**Feed:** Hemp meal provides all the essential protein that livestock require and doesn't require any antibiotics to digest. Hemp is also ideal animal bedding for horses.

**Body Care:** High essential fatty acid content in hemp oil helps cells rebuild cell membranes, which keeps your skin from becoming dry.

**Fuel:** Hemp biomass can produce electricity from sulfur free charcoal, as well as ethanol, yet these industries will be the last to develop due to the high value and return to farmers growing hemp for hemp food.

**Cars:** European plants are making auto panels from hemp based composites that are biodegradable, half the weight, more durable and safer than fiberglass counterparts.

**Plastics:** Hemp hurds and fiber have over 60% cellulose, the building blocks of plastics. Biodegradable hemp plastics could reduce landfill waste and display unique strength characteristics.

**Paper:** Hemp pulp paper doesn't require toxic bleaching chemicals and lasts hundreds of years longer than paper made from trees. An acre of hemp equals an acre of trees!

**Homes.** Hempcrete homes, a mixture of hemp and lime, are fire, water, and rodent proof, with excellent elasticity, and breathability, which cuts energy costs.

**Clothes.** Hemp is among the longest, strongest, most elastic and most durable fibers in nature. It outcompetes cotton, which requires 25% of the world's crop chemicals.



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U.S. Heritage Group, Inc. *Chicago, Illinois*

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## Tradical® Hemcrete® Overview

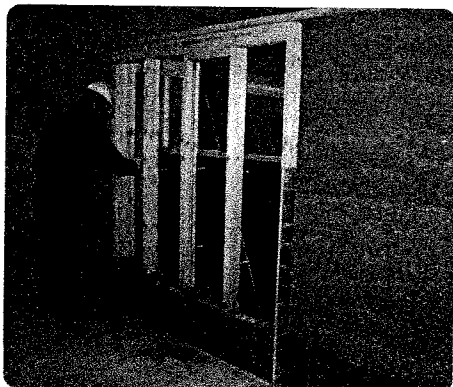
Hemcrete® is a unique, highly sustainable system for the creation of walls, floors, roof insulation and plasters.

Hemcrete® is a blend of specially prepared hemp shiv (Tradical® HF) and a special lime based binder (Tradical® HB). Together these products form a bio-composite building material that can be used for the creation of sustainable walls, floors, roof insulation and plasters.

### Properties:

- Low density
- High thermal insulation
- High sound insulation
- High thermal inertia
- Good vapour permeability
- Good flexibility
- Fire and pest resistance
- Can significantly reduce CO<sub>2</sub> emissions
- Inherently airtight structures

Hemcrete® has been created by Lime Technology, the UK's leading developer of lime based building products, in partnership with Lhoist UK, the world's largest manufacturer of lime, and Hemcore, pioneers in the industrial growing of hemp.





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### **Hemcrete® Products' Components**

#### **Tradical®HF**

Tradical®HF is a hemp aggregate made from the stem of the hemp plant. It is chopped, graded and de-dusted to give a natural, sound and breathable product. Cultivated in the UK without agrochemicals, it is harvested annually. An easily renewable primary material, the industrial processing is mechanical and requires little energy and zero toxic products.

#### **Tradical®HB**

Tradical®HB is a special binder based on the purest hydrated air lime blended with selected hydraulic and pozzolanic materials. This ensures the perfect particle size distribution and setting characteristics to create the correct binder for use with hemp shives.

### **Hemcrete® Performance**

Studies have shown that up to 200kgs of CO<sub>2</sub> are emitted in the production of each square metre of walling for houses. For a typical house, this can mean up to 40 tonnes of CO<sub>2</sub> are emitted just in the construction of the walls.

Hemcrete® construction products have the ability to make a very significant contribution in combating global climate change by effectively reducing CO<sub>2</sub> emissions. Fast growing hemp stores carbon during its growth and releases oxygen into the atmosphere. The overall combination of Tradical® Hemcrete® products is such that captured carbon is retained within the fabric of a Hemcrete® building. This is typically 110kg/cubic metres of Hemcrete®. Using Hemcrete® you can reduce the CO<sub>2</sub> emissions for wall construction to zero or even less.

*The sequestration of atmospheric CO<sub>2</sub> offers an existing opportunity to grow and produce sustainable, natural construction materials.*

Only the use of Tradical® HF mixed with specific Tradical® HB or Tradical® special hemp binders guarantees quality results.

# Stonehedge makes pitch to farmers to grow industrial hemp

Posted By John Campbell

Stirling – Stonehedge Bio-Resources Inc. is looking for farmers to grow industrial hemp that can be turned into insulation, biomasonry concrete and fuel pellets. It's also in the market for a site to build a 60,000-square-foot manufacturing plant somewhere along the Highway 401 corridor between Belleville and Port Hope that will employ more than two dozen people.

"The total project is probably going to be in excess of \$15 (million), maybe close to \$20 million," John Baker, president of Stonehedge, said in an interview. More than half of that will spent on specialized equipment developed in Europe where industrial hemp is used extensively in a variety of products, including auto parts.

The decortication factory will be the first of its kind in North America.

The Stirling-area company has "commitments" of capital from investors in the United Kingdom and the United States who need "a supply chain .. to grow their business," – mainly hempcrete, Baker said. They're "ready to develop the U.S. market."

Other potential investors have expressed an interest in purchasing equity in Stonehedge as well and Baker has approached the provincial and federal governments for financing in the form of loans. However, even though "there are all kinds of government programs for the green sustainable economy," the funding is "hard to access," Baker says. "It's a slow ... frustrating process.

"It's like the programs were designed to fund the multinationals, not really startups (or) small companies," he said. "The mechanism is constipated ... We just have to be patient."

Baker said he hopes to have all the financing he needs to launch the venture in place by May 1.

In the meantime, Baker will be reaching out to farmers in Hastings and Northumberland counties to sign contracts to grow hemp.

Stonehedge has scheduled two information sessions next week – March 16 at the Centreton Community Hall in Northumberland County and March 17 at the Ivanhoe Community Hall in Hastings County. Both meetings begin at 1:30 p.m.

Baker has already held focus groups with a number of farmers to find out what they would need in order to add hemp to their regular crop rotation of corn, soybean and wheat.

"I believe it will be one of the most profitable crops they can grow, if not this year, within a couple of years," he said. "It will be much more stable in pricing than the volatility they see with other cash crops ... It will be a very stable long-term type of venture."

Hemp is attractive in other ways. It's an "extremely deeply rooted crop (that) leaves the soil in beautiful shape," Baker said, and its input costs are lower as it doesn't require pesticides or herbicides, "but you do need to feed it fertilizers."

Roy Taylor, a cash crop and beef farmer from Roseneath, attended Baker's presentation at the Quinte Farm and Trade Show in Trenton last month and was one of about two dozen who expressed an interest in learning more

about growing hemp. Prices for cash crops have been good but "are a little bit lower right now," he said, so adding hemp to the mix could be "another egg in the basket."

He said he would like to try growing "a little bit" this year to determine its potential.

Baker plans to sign only single year contracts at the outset, in order to find out what works and what needs tweaking. After that it will be three- to five-year contracts. His preference is for 50 acres at minimum but it might take "a whole lot of people growing 25."

The planting should be done in mid-April.

Harvesting the hemp, which can grow to a height of 15 feet in 100 days, will require the services of a custom operator because special equipment is needed to cut it. The grower will be responsible for raking, baling and storing the straw until it goes for processing.

Growers will need to be licensed which will involve having a police check done to ensure they haven't a criminal record, Baker says. The sites are registered with Health Canada.

The manufacturing plant will process hemp straw into three components that Baker believes "there is a strong market for right across North America." About half of the material would be used to make hempcrete, one-quarter would go into producing insulation, "and a fairly significant portion" would be converted into energy pellets. "There's virtually no waste," Baker said.

The plant will be able to process straw from up to 20,000 acres a year but production will ramp up slowly. Baker is looking to plant 5,000 acres this year, more than 10,000 acres the following year and in excess of 15,000 by year three.

Although hemp resembles marijuana, it has little THC, the chemical that gives marijuana its hallucinogenic properties. Hemp straw is "regarded as the strongest natural fibre in the world" and the woody core material is used to make hempcrete, a lightweight alternative to concrete that is "totally fire retardant," and resistant to moulds and pests.

Baker, a plant scientist and researcher, "stumbled across the fact that there was remnant historical cannabis biodiversity in this area" about 10 years ago. The British navy had introduced hemp to Canada to create an alternative source to its traditional supplier, Russia, in order to continue manufacturing rope and sailcloth.

"It was a military crop," Baker says, introduced to this country when relations with the United States deteriorated to the point that it led to the War of 1812.

Baker began "bioprospecting" and discovered that seeds originally from Russia had "learned how to adapt and survive here in isolated pockets." He collected and preserved more than 25 different lines of biodiversity and then began planting research plots to determine if the plant had any agricultural value. He cross-bred Upper Canada hemp with the best grown in Europe and was able to achieve "tremendous improvements (in) yield, adaptability, seed size, a whole series of traits," Baker said.

He's registered one of the varieties he developed and has another four "in the pipeline," each of them with characteristics suited for a particular application.

He told those who attended his farm show presentation that the "unique germ plasma" he's developed will give hemp growers in Canada "a distinct advantage worldwide."

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## MONTANA HEMP COUNCIL

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**Angela Goodhope**  
Vice President - Believer



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## Why Hemp?

Few commercial interests ever make the kind of dramatic and ongoing progress achieved by the hemp industry over the past few years. In spite of difficult and unique obstacles, this industry has positioned itself to once again become a major global economic force.

Hemp offers significant benefits for the economic and environmental sustainability of our planet. Hemp can be grown organically and aids in weed suppression and soil improvement. Hemp can replace problematic and rare resources. The fiber is strong and features absorption and insulation qualities. The seed and oil are highly nutritious for our health.

More than thirty nations grow industrial hemp today, and the U.S. is the largest consumer of hemp products. We support American farmers' right to grow this beneficial crop. By accelerating expansion of the marketplace the HIA is dedicated to promoting industry growth!

Photo Credit: maritajay.com

## Join the HIA Today

### **A Trade Association with a Conscience**

The HIA takes all necessary steps to assure confidence in hemp products. HIA members support ethical business practices, including accurate labeling, use of environmentally friendly technology, quality products, and concern for human rights. All HIA member companies agree to follow the Association standards. Display of our membership insignia is a mark of prestige in any hemp business promotion and advertising.

### **Strength in Numbers**

The HIA wants to make your experience in the industry as profitable and problem-free as possible. Each new business that joins increases our ability to work on behalf of the industry as a whole and to act on behalf of individual members.

### **Experience You Can Trust**

You're in good company with the HIA. As a voting member, you can be confident that your voice will be heard. HIA members actively engage in the importation, manufacture, research and promotion of raw hemp and hemp products. They have practical experience handling the day-to-day details of running a business and understand your concerns and needs.

**P.O. Box 1080, Occidental, CA 95465**

**Tel: 707-874-3648 | Fax: 707-874-1104**

**[www.HempIndustries.org](http://www.HempIndustries.org) | [info@thehia.org](mailto:info@thehia.org)**



**Hemp Industries Association**

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## What is the HIA?

The Hemp Industries Association (HIA) is an industry trade association dedicated to the support and promotion of industrial hemp. The HIA's select membership includes the world's leading hemp businesses.

### Background

In 1989, a number of entrepreneurs took interest in hemp and began to manufacture products. The growth rate has been so phenomenal that the newly re-emerging hemp industry has doubled in size every year since. The early hemp companies soon realized that they had a political and economical interest in joining forces. In late 1994, one hundred hemp importers, manufacturers, merchants and researchers met in Arizona. They formed the HIA to promote the use and protect the integrity of hemp.

### Purpose and Goals

The purpose of the HIA is to represent the interests of the hemp industry, and to encourage research and development of new hemp products.

The HIA and its members:

- ▶ educate consumers about the exceptional attributes of hemp products;
- ▶ maintain and defend the integrity of hemp products;
- ▶ advocate and support socially responsible and environmentally sound business practices; and
- ▶ facilitate the exchange of information and technology between hemp agriculturists, processors, manufacturers, distributors and retailers.

## Why Join the HIA?

### Market Experience

The HIA was formed by businesses at the forefront of hemp research, development, production and marketing. Their efforts have created jobs and generated millions of dollars of revenue, with the potential for much more.

### Broad Membership Base

The HIA represents all levels of the hemp industry: from the farm to the manufacturer, to import/export, distribution and sales. Regardless of where your business or interests lie in the production chain, if you are interested in working with hemp, the HIA is interested in working with you.

### Global Reach

The HIA membership includes hemp companies working around the world. From the European Community to Asia, from Australia to Africa, from Canada to the U.S. to South America, HIA members are constantly seeking out new sources of hemp and new market outlets.

### Accessibility

The HIA provides a friendly forum for hemp companies. HIA members network and support one another by exchanging ideas and sharing information and expertise. As a member, your company has access to the leaders of the hemp industry, whom you can tap for helpful advice. Your company will have opportunities to network and help others build the global hemp market.

## A Wealth of Products

- ▶ **Accessories:** back packs, bags, beanies, belts, briefcases, caps, checkbook covers, gloves, guitar straps, hair ties, hats (knit, crocheted, fabric), hip packs, jewelry, luggage, purses, scarves, strawls, shoelaces, shoes, socks, ties, travel kits, wallets
- ▶ **Animal Care:** beds, bedding, chew toys, collars, feed, leashes
- ▶ **Apparel:** baby clothes, bathrobes, diapers, dresses, jackets, jeans, lingerie, pants, shirts, shorts, skirts, sports coats, suits, sweaters, t-shirts
- ▶ **Building Materials & Composites:** composites for vehicles, fiberoptic insulation, roofing shingles, varnish, wood stains
- ▶ **Cosmetics & Body Care:** hair conditioners, lip balms, lotions, massage oils, salves, shampoos, soaps, tanning lotions
- ▶ **Foods & Beverages:** beer, breads, burgers, chips, chocolate bars, coffees, cookies, defatted hemp seed meal, dry mixes (brownie, cake, cookie, pancake and pizza dough), energy bars, flour, food/snack bars, ice cream (non-dairy desserts), nut bars, nut butter, oil, pasta, pastilles, pretzels, protein powders, roasted seeds, salad dressings, shelled hemp seeds, soda drinks, spiced hemp seeds
- ▶ **Housewares:** aprons, bed linens, blankets, curtains, couch covers, drapes, furniture, hammocks, napkins, pillows, placemats, potholders, tablecloths, towels
- ▶ **Other:** candles, coffee filters, diesel fuel, dolls, drums, picture frames, tea bags, teddy bears, toys
- ▶ **Paper:** art papers, bond, bookmarks, books, card stock, cigarette papers, drawing pads, envelopes, invitations, journals, magazines, postcards, posters, stationery, writing pads
- ▶ **Publications:** books, DVDs, magazines, newsletters, research papers, Web sites
- ▶ **Raw Hemp:** bast fiber, baling (tow) and silver for industry and craft use, core wood (furls), seed grain, seed stock
- ▶ **Services:** consulting, history, Internet support, networking, research and development
- ▶ **Sports Equipment:** frisbees, hackle sacks, skateboards, snowboards, surfboards
- ▶ **Spun Hemp:** cordage, embroidery thread, rope, twine, webbing, yarns
- ▶ **Textiles:** carpets, finishing services, handwoven and mill-loomed fabrics (blended silks to canvas, various weights and textures, colors, patterns, stripes and plaids), knits, non-woven matting, rugs

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[www.HempIndustries.org](http://www.HempIndustries.org) | [info@thehia.org](mailto:info@thehia.org)

Photo Credit: [livinghempvest.com](http://livinghempvest.com) and Morris Johnson





2009 Session

## **Exhibit 1**

**This exhibit is a newspaper advertisement filler. It has 14 pages a small portion has been scanned to add you in your research. The original is on file at the Montana Historical Society and maybe viewed there**

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**MHC**  
Montana Hemp Council

Montana Hemp Council is a 501(c)(3)  
organization dedicated to promoting  
education and dispelling myths  
regarding industrial hemp.

We want Montanans to know the  
benefits, history, uses, and politics of  
agricultural and industrial hemp.

MHC is working to expedite the  
creation of administrative rules for the  
production of hemp in Montana.  
We advocate that the U.S. Congress  
amend the Controlled Substance Act  
to exclude hemp.

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## Table Of Contents

Hemp History	p 3
Hemp Economics	p 7
Hemp Food	p 7
Hemp Is Not Marijuana	p 8
Basic Hemp Information	p 9

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**Eric Solomon**  
Funk/Soul band from Vancouver, B.C.

**INHUMANS**

**Miller Creek**

Mudslide Charley

Secret Powers

Jessica Kilroy

Hemp T's  
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Hemp Information  
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